

## CLIMATOLOGICAL DATA FOR OCTOBER, 1912.

## DISTRICT No. 1, NORTH ATLANTIC STATES.

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Those who like to point out periods of weather compensatory to each other will find no better examples for most parts of the North Atlantic States than the months of September and October, 1912. The wet and disagreeable weather that prevailed in September was followed by a welcome change to the pleasant, sunny days that characterized most of October. With temperatures averaging much above the normal and a long period of practically rainless weather, the soil during October became restored to a condition suitable for cultivation and there was unusual activity in agricultural operations. Other industries requiring outdoor work also flourished to an extent not often seen in October. Damaging frosts did not occur very extensively until the middle of the month, which gave splendid opportunities for securing late vegetables, grains and fruits.

Precipitation was remarkably light until the 22d when a rainy period of three or four days set in. For the district as a whole, probably three-fourths of the month's rainfall occurred within this period. In many instances there was no precipitation of consequence at any other time. Snow was observed at only seven stations in the entire district, and in each instance the amount was too small to measure. So little snowfall in October is quite exceptional.

The following table presents the leading features of meteorological interest for the various sections of the district:

States, or parts of States within District No. 1.	Temperature.				Precipitation.				Average number of—	
	Average.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest total.	Least total.	Rainy days.	Clear days.
New England.....	51.9	+2.7	89	19	2.91	-0.86	8.04	1.00	8	17
New York.....	52.3	+2.6	86	17	3.48	-0.29	5.78	0.76	9	16
Pennsylvania.....	54.6	+3.1	87	23	2.82	-0.60	5.27	0.90	7	17
New Jersey.....	57.0	+3.0	88	25	3.30	-0.46	6.95	1.72	5	17
Maryland, Delaware, and District of Columbia.....	58.7	+2.7	96	28	1.60	-1.45	3.93	0.21	4	21
West Virginia.....	54.8	+1.9	91	20	0.70	-1.80	1.42	0.20	2	18
Virginia.....	58.6	+2.5	93	28	0.94	-2.92	1.53	0.44	4	20

## TEMPERATURE.

The mean temperatures averaged nearly  $3^{\circ}$  above normal for all stations in the district, and ranged from about  $62^{\circ}$  in eastern Virginia to  $45^{\circ}$  in northern Maine. Only one station, Salisbury, N. Y., reported temperatures averaging less than the October normal. In the northern part of the district there were no unusual extremes, comparatively few of the stations reporting maximum temperatures of  $85^{\circ}$  or above, but south of Pennsylvania the maximum temperatures were high for October, there being several instances of temperatures of  $90^{\circ}$  or above. The highest temperature recorded in the district was  $96^{\circ}$ , at Millsboro, Del., on the 12th.

There were five well-marked warm periods separated by intervals of cool weather. The warmest days occurred

about the 6th, 12th, 18th, 22d, and 30th. The cool periods were of little significance, except that of the 15th to 17th, which brought freezing temperatures and killing frosts to most localities in the interior as far south as central Pennsylvania, and in exposed places to the southern limit of the district. The lowest temperature recorded at any of the stations was  $17^{\circ}$  at Indian Lake, N. Y., on the 2d.

## PRECIPITATION.

The rainfall for the month was above normal at nearly one-third of the stations in the district, most of which are situated in the Northern States. However, the rainfall exceeded 6 inches at only three stations, while there were 31 stations that received 1 inch or less. The greatest amount reported for the month was 8.04 inches at Somerset, Vt., and the least was 0.20 inch at Burlington, W. Va. The region of heaviest precipitation occupies the center of the district extending from northeastern Pennsylvania and northern New Jersey across New York into the southern part of Vermont. The area of least precipitation is found in the southwestern part of the district, where the amount was about one-third of the normal.

The number of rainy days was unusually small in the southern part of the district, the average in West Virginia being only two, while in the northern part of New England it was not less than 10. In the more densely populated areas there was little or no rain until the coming of a slowly moving storm that passed from the Lake region into the North Atlantic States on the 22d and did not get beyond the New England coast until the 26th. During this period extensive areas received from 3 to 5 inches of rain. At Long Branch, N. J., 6.18 inches of rain fell in three days, and at Somerset, Vt., 6.51 inches fell within four days.

The heaviest rainfall occurred on the 23d and 24th, when 2.50 inches or more fell within 24 hours at six stations in New England, at nine stations in New York, six in Pennsylvania, eight in New Jersey, and one in Maryland. The greatest amount recorded within a 24-hour period was 4.88 inches at Cavendish, Vt., on the 23d and 24th, but at Somerset, Vt., and Jersey City, N. J., amounts nearly as great were recorded at the same time.

## MISCELLANEOUS.

The principal streams were at moderate stages until the 23d, when the heavy rains caused those in the central and northern parts of the district to rise quite rapidly. The rise continued for several days, but there was little damage from flooding, except along creeks and small rivers in southern Vermont and western Massachusetts.

There was an average of 224 hours of sunshine at representative stations. The percentage of possible sunshine varied from about 50 to 75, being greatest near the southern limit of the district. The relative amount of clear weather was unusually great for October and nearly equaled that for last July.

TABLE 1.—Climatological data for October, 1912. District No. 1, North Atlantic States.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Sky.	Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Date.	Highst.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.								
<i>Maine.</i>																						
Bar Harbor.....	Hancock.....	20	26	49.8	+ 1.8	78	6	28	17	36	4.95	+ 0.89	1.55	0	7	19	4	8	sw.	William Miller.		
Cornish.....	.....	778	57	49.8	+ 3.9	83	6	24	16 <sup>t</sup>	45	3.62	- 0.57	1.90	0	11	16	7	8	w.	T. H. West.		
Eastport.....	Washington.....	53	40	48.8	+ 2.2	77	6	32	16	24	3.05	- 0.80	0.66	0	13	11	7	13	s.	U. S. Weather Bureau.		
Fairfield.....	Somerset.....	90	27	49.4	+ 2.3	78	6	28	21	38	3.00	+ 0.39	1.06	0	7	15	5	11	n.	E. F. Parker.		
Farmington.....	Franklin.....	450	15	47.6	.....	80	6	23	29	42	4.61	+ 1.50	1.40	0	11	17	6	8	nw.	State Normal School.		
Gardiner.....	Kennebec.....	163	20	49.8	+ 0.6	71	4	27	17 <sup>t</sup>	38	4.17	+ 0.20	2.03	0	10	18	3	10	n.	Samuel D. Soule.		
Greenville.....	Piscataquis.....	1,140	8	45.8	.....	78	6	28	16 <sup>t</sup>	35	4.42	+ 2.10	1.29	0	15	14	3	12	.....	U. S. Weather Bureau.		
Houlton.....	Aroostook.....	362	10	51.5	.....	75	18	28	31	32	4.36	+ 1.68	2.10	0	8	16	3	12	s.	Bangor & Aroostook R. R.		
Lewiston.....	Androscoggin.....	182	38	50.0	+ 2.8	82	6	30	17 <sup>t</sup>	34	3.47	+ 0.32	1.75	0	11	15	7	9	n.	Union Water Power Co.		
Madison.....	Somerset.....	257	9	47.2	.....	81	7	28	9	44	5.90	+ 2.14	3.27	0	10	22	0	9	n.	William Jardine.		
Millinocket.....	Penobscot.....	386	9	47.2	.....	80	6	26	21	41	6.75	+ 3.50	2.24	T	14	15	4	12	n.	H. S. Ferguson.		
North Bridgton.....	Cumberland.....	450	19	52.0	+ 2.9	85	6	28	17	44	3.81	+ 0.60	1.87	0	9	15	11	5	s.	G. E. Chadbourne.		
Orono.....	Penobscot.....	129	43	49.8	+ 3.6	80	8	27	17 <sup>t</sup>	43	4.97	+ 0.99	1.03	0	13	11	12	8	n.	Agricultural Exp. Station.		
Patten.....	.....	550	10	44.9d	.....	80d	5	23d	11 <sup>t</sup>	37d	5.60	.....	1.60	0	5	16d	0	11d	sw.	Bangor & Aroostook R. R.		
Portland.....	Cumberland.....	99	41	52.2	+ 3.1	77	5	34	29	34	3.29	- 1.37	0.93	0	12	17	5	9	s.	U. S. Weather Bureau.		
Presque Isle.....	Aroostook.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	S. L. Merriman.	
Rumford Falls.....	Oxford.....	505	19	48.0	+ 1.3	78	7	29	9t	38	4.28	+ 1.42	1.90	0	13	20	2	9	n.	Charles A. Mixer.		
Winslow.....	Kennebec.....	90	17	50.7	+ 3.0	82	6	25	21	41	3.37	+ 0.38	.....	0	8	20	4	7	w.	Hollingsworth & Whitney Co.		
<i>New Hampshire.</i>																						
Alstead Center.....	Cheshire.....	1,120	8	49.2	+ 0.9	74	6	26	16	31	4.16	+ 1.21	1.79	0	12	19	5	7	sw.	Frank Dewing.		
Benton.....	Grafton.....	3	47.8	.....	.....	67	25	31	37	3.45	.....	1.36	T	10	19	3	9	n.	State Sanatorium.			
Bethlehem.....	.....	1,470	20	47.6	+ 1.4	76	7	22	29	36	1.32	- 1.78	1.46	T	12	16	5	10	sw.	Benjamin Tucker.		
Concord.....	Merrimack.....	350	52	50.9	+ 2.1	82	6	26	17	44	2.54	- 0.70	1.34	0	12	17	5	9	n.	U. S. Weather Bureau.		
Durham.....	Stafford.....	88	17	49.2	+ 0.1	78	8	26	29	34	2.58	- 1.18	1.01	0	5	21	3	7	n.	Agricultural Exp. Station.		
Franklin.....	Merrimack.....	440	13	51.0	+ 3.2	85	6	24	17	49	3.21	+ 0.33	1.19	0	11	20	9	2	w.	Dr. C. P. Webster.		
Grafton.....	Grafton.....	863	26	47.3	+ 0.6	82	6	21	17	48	3.60	+ 0.56	1.50	0	9	19	3	9	n.	P. R. Kimball.		
Hanover.....	.....	603	78	49.6	+ 3.2	82	6	21	17	49	4.70	+ 2.12	1.85	0	14	15	7	9	s.	Dartmouth College.		
Keene.....	Cheshire.....	506	27	49.8	+ 2.2	80	6	21	17	51	2.24	- 1.11	0.60	0	10	16	7	8	s.	Samuel Wadsworth.		
Nashua.....	Hillsboro.....	125	27	53.5	+ 4.6	83	6	28	29	44	1.77	- 1.88	1.16	0	8	14	11	6	sw.	Jackson Co.		
Newton.....	Rockingham.....	24	50.8	+ 2.4	80	6t	22	29	44	1.84	- 2.42	0.61	0	8	14	12	5	sw.	W. C. Gale.			
Plymouth.....	Grafton.....	500	24	47.9	+ 3.2	78	6t	21	17	46	3.91	+ 0.52	1.82	0	9	18	3	10	w.	Hattie G. Trow.		
<i>Vermont.</i>																						
Bloomfield.....	Essex.....	5	47.0	.....	.....	78	7	21	29	45	1.77	.....	0.35	0	12	13	6	12	s.	Lyman Falls Power Co.		
Cavendish.....	Windsor.....	910	9	49.6	.....	89	5	25	16t	49	5.86	.....	4.88	0	11	13	9	3	w.	Esther D. Kingsbury.		
Chelsea.....	.....	840	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. F. Dewey.	
Manchester.....	Bennington.....	980	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	N. M. Canfield.	
Somerset.....	Windham.....	2,096	47.2	.....	.....	79	6	23	21	48	8.04	.....	4.73	0	13	17	4	10	sw.	J. Albert Holmes.		
St. Johnsbury.....	Caledonia.....	711	19	48.8	+ 2.4	78	6t	21	17	46	2.15	+ 0.13	1.31	0	11	15	6	10	n.	Fairbanks Museum.		
Woodstock.....	Windsor.....	700	20	48.3	+ 2.5	77	6t	20	16	50	4.84	+ 2.30	3.40	0	9	14	4	13	.....	John S. Eaton.		
<i>Massachusetts.</i>																						
Amherst.....	Hampshire.....	222	23	52.2	+ 3.2	83	6	26	16	45	2.07	- 1.68	1.27	0	7	9	10	12	nw.	Agricultural Exp. Station.		
Blue Hill.....	Norfolk.....	640	28	54.4	+ 4.9	81	6	30	16	29	1.52	- 3.19	0.63	0	8	17	5	9	w.	Blue Hill Observatory.		
Boston.....	Suffolk.....	124	42	57.4	+ 5.1	86	7	36	16	31	1.00	- 2.86	0.61	0	7	17	5	9	w.	U. S. Weather Bureau.		
Chestnut Hill.....	.....	124	32	55.0	+ 4.3	82	6t	30	21	38	1.61	- 2.59	0.97	0	7	27	1	3	.....	Met. Water Board.		
Clinton.....	Worcester.....	370	16	53.0	.....	78	6t	30	28	37	2.78	.....	2.12	0	9	27	1	3	.....	Do.		
Concord.....	Middlesex.....	139	22	52.1	+ 2.8	82	6	26	21	47	2.55	- 1.43	1.83	0	9	14	8	9	s.	Fred A. Tower.		
Fall River.....	Bristol.....	200	46	55.6	+ 2.4	75	6t	33	18	23	1.19	- 3.54	0.70	0	7	15	12	4	sw.	C. V. S. Remington.		
Fitchburg.....	Worcester.....	550	29	53.1	+ 4.0	83	6	28	16	37	2.19	- 1.79	0.95	0	6	20	3	8	sw.	Dr. A. P. Mason.		
Framingham.....	Middlesex.....	160	32	54.2	+ 4.0	81	6t	29	17	42	2.58	- 1.77	2.14	0	8	14	2	2	.....	Met. Water Board.		
Hyannis *.....	Barnstable.....	31	21	54.7	+ 0.3	72	7	36	16	24	1.16	- 2.55	0.56	0	6	19	10	12	n.	C. F. Sleeper.		
Lawrence.....	Essex.....	51	28	53.0	+ 3.0	80	6	30	29	38	1.99	- 1.86	1.05	0	7	12	16	3	s.	Essex Co.		
Lowell.....	Middlesex.....	100	27	54.4	+ 4.5	81	6	30	29	36	2.23	- 1.44	1.48	0	7	13	8	10	sw.	Props. locks and canals.		
Middleboro.....	Plymouth.....	53	26	52.6	+ 3.8	80	7	22	17	48	1.61	- 2.38	0.83	0	4	13	8	10	sw.	A. R. Gurney.		
Nantucket.....	Plymouth.....	15	26	56.5	+ 2.0	74	6	40	16	19	1.41	- 1.98	1.05	0	5	14	12	5	sw.	U. S. Weather Bureau.		
New Bedford.....	Bristol.....	88	100	.....	.....	81	6	19	16t	48	3.07	.....	1.31	0	5	22	5	4	n.	City engineer.		
Norfolk.....	Plymouth.....	244	9	50.4	.....	80	6	19	16t	48	3.07	.....	1.31	0	5	22	5	4	n.	Ruby H. Martyn.		
Plymouth.....	Plymouth.....	27	53.4	.....	.....	80	8	30	16	38	1.59	.....	0.60	0	4	23	2	6	w.	Laura B. Knapp.		
Provincetown.....	Plymouth.....	40	25	55.8	+ 3.2	71	5t	38	16	19	1.59	- 2.57	0.72	T	6	23	0	8	sw.	Gideon Bowley.		
Rockport.....	Essex.....	25	10	54.4	.....	75	6t	36	16	27	2.80	.....	1.45	0	6	15	5	11	n.	C. F. P. Bearse.		
Rutland.....	Worcester.....	1,160	10	51.6	.....	79	6	27	15	39	2.20	.....	1.38	0	11	18	7	6	sw.	State Sanatorium.		
Turners Falls.....	Franklin.....	200	21	53.0	+ 3.1	77	7	29	16	37	2.21	- 0.33	0.98	0	7	18	7	6	n.	Turners Falls Co.		
Westboro.....	Worcester.....	298	38	56																		

TABLE 1.—Climatological data for October, 1912. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, uncorrected.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<b>New York.</b>																					
Addison.....	Steuben.....	1,000	22	52.0	+ 1.8	86	6	25	17	45	1.56	- 1.30	0.44	0	11	20	4	7	w.	Dr. H. R. Ainsworth.	
Albany.....	Albany.....	97	91	53.6	+ 3.2	78	6	34	17	33	3.37	+ 0.38	2.20	0	9	14	7	10	s.	U. S. Weather Bureau.	
Alfred.....	Allegany.....	1,976	17	49.4	+ 2.6	78	6	26	27	33	2.44	- 0.77	0.75	0	9	10	20	10	w.	Jerome F. Davis.	
Amsterdam.....	Montgomery.....	277	8	50.8		80	6	28	16	40	5.43		1.34	0	10	10	13	8	sw.	Emery Elwood.	
Athens.....	Greene.....	90	18	53.8	+ 2.3	79	6†	23	17	39	3.83	- 0.18	2.34	0	10	14	8	9	s.	E. C. Brooks.	
Ballston Lake.....	Saratoga.....	400	8			75	6†	25	17	44	4.92		0.64	0	10	16	12	3	-----	George R. Schaeber.	
Bedford.....	Westchester.....	450	21	55.0	+ 2.5	79	6†	32	16	39	4.21	+ 0.49	3.82	0	9	16	12	3	-----	Dr. L. Rosenberg.	
Beerston.....	Delaware.....	1,214	0	50.0		79	6†	29	17	46	4.14		1.50	0	8	20	4	7	w.	John Q. Barlow.	
Binghamton.....	Broome.....	875	21	52.1	+ 2.9	79	6	30	17	39	1.83	- 1.29	0.91	0	8	20	6	16	nw.	U. S. Weather Bureau.	
Bouckville.....	Madison.....	1,350	15	49.8	+ 1.5	76	12	26	16	33	2.17	- 1.84	0.64	0	11	7	10	14	nw.	L. W. Griswold.	
Boyd's Corners.....	Putnam.....	560	30																Do.	Thomas Manning.	
Carmel.....	do.....	500	20	53.4	+ 2.5	82	6	29	16	40	4.48	+ 0.41	3.49	0	8	17	7	7	nw.	Morton R. Tank.	
Chatham.....	Columbia.....	470	11	52.7	+ 2.7	79	6†	28	16†	39	4.68	+ 1.23	2.10	0	9	17	5	9	s.	Miss Elizabeth C. Keese.	
Cooperstown.....	Otsego.....	1,250	58	49.2	+ 2.5	76	12	30	2†	33	4.93	+ 1.59	1.25	0	11	17	9	5	s.	A. M. Hollister.	
Corinth.....	Saratoga.....	542	10								4.19		2.30	0	8					f.	F. G. Baker.
Cortland.....	Cortland.....	1,129	50	52.4	+ 5.5	79	6†	29	17	40	2.06	- 1.83	0.48	0	11	14	6	11	nw.	William A. Fleet.	
Cutchogue.....	Suffolk.....	32	13	57.6	+ 2.4	81	7	38	17	37	1.45	- 1.97	1.25	0	4	21	6	4	sw.	B. D. Crandall.	
DeRuyter.....	Madison.....	1,300	9	50.9	+ 2.5	81	6	25	16	45	2.84	- 1.16	1.00	0	11	15	3	13	nw.	Thurber A. Brown.	
Elmira.....	Chemung.....	863	29	53.1	+ 2.1	79	12	30	17†	35	1.40	- 1.66	0	9	8	13	10	sw.	Victor Gennett.		
Ephratah.....	Fulton.....	692	0																Do.	Prof. C. L. Williams.	
Glens Falls.....	Warren.....	340	21	51.9	+ 2.6	79	6	29	17†	39	4.73	+ 1.66	1.89	0	10	12	4	15	sw.	W. L. McLean.	
Gloversville.....	Fulton.....	850	20	48.5	+ 0.9	77	6	28	21	41	4.28	+ 1.13	0.98	0	12	15	9	7	w.	S. E. Darow.	
Greenfield Center.....	Saratoga.....	314	14	50.6	+ 0.6	78	6	25	16	36	4.83	+ 1.45	1.75	0	8	15	9	7	sw.	Homer J. Whitecomb.	
Greenwich.....	Washington.....	425	15	52.3	+ 2.5	78	7	29	16†	35	4.33	+ 1.35	1.95	0	7	13	12	6	sw.	Harold O. Judd.	
Griffin Corners.....	Delaware.....	2,260	12																w.	W. G. Collins.	
Haskinville.....	Steuben.....	17									1.88	- 0.96	0.58	0	8					Do.	Charles C. Mortimer.
Homer.....	Cortland.....	1,096	21																w.	Sanford L. Cluett.	
Hoosick Falls.....	Rensselaer.....	410	10								4.99		2.50	0	14					n.	Lester Severe, Jr.
Indian Lake.....	Hamilton.....	1,705	13	46.3	+ 1.1	75	5†	17	2	47	2.85	- 0.81	1.00	0	10	16	6	9	w.	Charles Wilfert, Jr.	
Jeffersonville.....	Sullivan.....	1,240	9	51.6		82	6	23	17	45	3.97		1.71	0	8	20	6	4	sw.	Dr. H. M. King.	
Liberty.....	do.....	2,300	30	51.3	+ 4.3	75	10	27	15	45	3.35	- 0.27	1.50	0	7	19	2	10	sw.	O. J. Dempster.	
Little Falls.....	Herkimer.....	924	14	50.2	+ 2.7	78	6	27	16	35	2.20	- 0.26	0.91	0	8	22	7	7	w.	A. K. Smiley.	
Mohonk Lake.....	Ulster.....	1,245	16	53.9	+ 3.9	74	7	32	16	28	4.50	+ 0.73	2.80	0	8	16	3	7	s.	Theo. C. Remonda.	
Morehouseville.....	Hamilton.....	1,697	4	45.7		75	12	24	21	43	5.01		0.97	0	14	11	10	10	w.	Prof. I. M. Charlton.	
Morrisville.....	Madison.....	1,325	0	50.6		77	6	26	17	41	2.60		0.70	0	8	18	5	5	nw.	F. W. Tooker.	
Mount McGregor.....	Saratoga.....	1,060	0	51.4		74	6	32	16	27	4.23		2.88	0	5	26	2	3	sw.	W. A. Cornelius.	
Mount Hope.....	Westchester.....	200	15	56.8	+ 3.9	77	7	37	16	32	3.84	- 1.87	1.42	0	5	15	9	7	sw.	Lyman D. Clinton.	
New Berlin.....	Tioga.....	825	25								3.66	- 1.03	0.70	0	9					s.	Chas. F. Sarle.
New Berlin.....	Chenango.....	1,090	5																s.	G. A. Yates.	
New Lisbon.....	Otsego.....	1,234	22	47.4	+ 1.5	77	12	21	17	42	3.55	+ 0.21	1.14	T.	11	8	10	13	s.	U. S. Weather Bureau.	
New York City.....	New York.....	314	87	55.8	+ 2.9	79	7	40	16	26	4.32	+ 0.61	3.77	0	4	11	10	10	nw.	W. G. Kenwell.	
North Creek.....	Warren.....	1,002	4	49.6		78	6	23	17	45	4.62		0	0	9	18	5	8	w.	P. C. Pickard.	
Northville.....	Fulton.....	742	10								3.57		1.79	0	8					w.	H. W. Lee.
Oneonta.....	Otsego.....	1,112	18	51.6	+ 2.1	78	12	23	16	37	3.27	+ 0.82	0.98	0	8	12	11	8	sw.	J. P. Davis.	
Oxford.....	Chenango.....	916	47	50.7	+ 3.6	77	12	27	17	35	3.86	+ 0.39	1.19	0	9	8	16	7	sw.	Prof. Thos. Colby.	
Oyster Bay.....	Nassau.....	40	8	59.1		77	7	39	16	29	1.74		1.16	0	3	22	0	9	nw.	W. H. Nearpass.	
Port Jervis.....	Orange.....	470	28	54.0	+ 3.1	81	6	27	17	42	3.35	- 0.34	2.38	0	8	21	4	6	sw.	C. H. Hechler.	
Roslyn.....	Nassau.....	215	0	57.5		81	6	36	16	35	2.10		1.00	0	7	22	2	7	w.	Joseph Ryan.	
Salisbury.....	Herkimer.....	1,526	15	46.2	- 2.3	76	5	20	15	38	4.41	+ 0.14	0.88	0	10	16	9	6	w.	C. H. Wilmarth.	
Scarsdale.....	Westchester.....	200	8	57.3		82	7	35	16†	34	3.30		2.60	0	3	25	2	4	sw.	Seab. Strong.	
Setauket.....	Suffolk.....	40	27	57.4	+ 3.0	77	7	40	16	30	1.07	- 3.47	1.00	0	3	20	4	7	s.	E. B. Collins.	
Sherburne.....	Chenango.....	36	11	56.8	+ 2.7	75	5†	37	29	28	3.38	- 0.79	3.42	0	9	18	0	9	nw.	W. L. Jagger.	
Southampton.....	Suffolk.....	310	7								3.38	- 0.79	0.40	0	4	21	7	3	nw.	Thomas Manning.	
Southeast Reservoir.....	Putnam.....	310	7								3.38	- 0.79	0						sw.	F. H. Bilderbeck.	
South Edmeston.....	Otsego.....	1,300	0	49.2		78	13	26	16†	45	3.04		0.83	0	11	16	8	7	w.	George E. Fifield.	
Spier Falls.....	Saratoga.....	400	11					26	15†		5.12	+ 1.79	2.76	0	10	16	1	5	w.	C. W. Young.	
Trenton Falls.....	Oneida.....	751	9								4.59		1.10	0	11				sw.	R. S. Marshall.	
Tribeshill.....	Montgomery.....	528	9								5.90		0						s.	W. E. Young.	
Utica.....	Oneida.....	537	46								2.24	- 1.23	0.67	0	6				sw.	H. B. Fuller.	
Wading River.....	Suffolk.....	112	6	56.0	+ 2.2	81	7	30	17	44	1.10		0.80	0	3	26	2	3	s.	H. C. Townsend.	
Wappingers Falls.....	Dutchess.....	110	22	54.0	+ 2.2	78	12	30	16	33	5.78	+ 1.79	3.65	0	7	14	14	3	w.	John W. Sly.	
Warwick.....	Orange.....	538	18								2.87	- 0.99	1.72	0	7	19	4	8	sw.	J. F. Shoemaker.	
Waverly.....	Tioga.....	824	30	52.2	+ 2.8	82	12	24	17	44	1.84	- 1.24	0.70	0	10	14	7	7	nw.	W. J. Haverly.	
West Berne.....	Albany.....	946	13	50.2	+ 0.6	82	6	24	17	48	3.66	+ 0.12	1.66	0	9	9	11	11	sw.	U. S. Military Academy.	
West Point.....	Orange.....	167	63	57.1	+ 3.9	77	8	39	1†	30	3.38	- 0.44	1.94	0	6	14	11	6	se.	A. R. Mott.	
Windham.....	Greene.....	1,520	12	51.3	+ 3.1	79	12	24	17	42	3.48	- 0.06	1.30	0	9	15	12	4	sw.	Harry M. Schott.	
Le Roy.....	Lebanon.....	458	25	55.6	+ 2.7	84	6†	29	17	43	2.19	- 1.67	1.80	0	4	27	3</td				

TABLE 1.—Climatological data for October, 1912. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direc- tion.	Observers.					
				Mean.	Departure from the normal.		Highest.	Lowest.	Greatest daily range.	Total.	Departure from the normal.		Greatest in 24 hours.	Total snowfall, unmelted.										
					Date.	Date.					Date.	Date.												
Pennsylvania—Contd.																								
State College.....	Center.....	1,191	24	53.4	+ 2.9	79	11	32	10†	37	2.13	- 0.78	0.72	0	7	18	4	9	nw.	Prof. Wm. Frear.				
Towanda.....	Bradford.....	754	17	52.4	+ 1.8	80	11†	28	17	39	1.97	- 1.34	0.62	0	7	20	6	5	nw.	Hiram E. Bull, C. E.				
Wellsboro.....	Tioga.....	1,327	35	52.0	+ 3.0	83	6	24	27	45	1.72	- 1.82	0.39	0	6	15	9	7	nw.	O. L. White.				
West Chester.....	Chester.....	455	58	58.2	+ 4.1	85	12	37	16	32	4.25	+ 0.37	2.87	0	6	23	3	5	w.	J. C. Green, D. D. S.				
Williamsport.....	Lycoming.....	530	22	56.0	+ 4.3	82	12	30	17†	42	2.45	- 1.00	0.86	0	8	23	3	5	nw.	Henry H. Guise.				
New Jersey.																								
Atlantic City.....	Atlantic.....	16	39	59.0	+ 1.6	80	7	37	16	25	1.72	- 1.58	1.41	0	4	17	6	8	sw.	U. S. Weather Bureau.				
Bayonne.....	Hudson.....	50	22	58.2	+ 2.9	80	7†	39	16	34	4.94	+ 1.29	3.65	0	3	19	5	7	se.	Erskine R. Eadie.				
Belvidere.....	Warren.....	289	22	55.2	+ 2.7	80 <sup>b</sup>	6	31	17	36†	4.28	+ 0.44	1.98	0	5	14	14	3	nw.	Samuel J. Hixson.				
Bergen Point.....	Hudson.....	37	15	57.6	+ 3.3	81	7	38	21	37	4.80	+ 0.72	3.45	0	6	21	4	6	nw.	Dr. Wm. H. Mitchell.				
Boonton.....	Morris.....	230	22	58.8	+ 2.1	85	12	35	16	37	1.78	- 1.75	0.90	0	4	22	3	6	nw.	Joseph White.				
Bridgeton.....	Cumberland.....	30	31	58.8	+ 2.1	85	12	35	17	37	3.46	- 0.38	1.73	0	6	17	9	5	n.	Henry A. Jorden.				
Burlington.....	Burlington.....	12	26	59.7	+ 2.1	79	10	44	21	24	3.66	+ 0.21	1.73	0	5	23	7	1	sw.	D. S. B. McCoy.				
Cape May City.....	Cape May.....	17	34	59.7	+ 2.1	79	10	44	21	24	2.05	- 1.25	1.23	0	6	19	4	5	n.	U. S. Weather Bureau.				
Charlotteburg.....	Passaic.....	719	20	53.7	+ 3.3	82	6	25	17	45	3.06	- 0.72	2.60	0	5	23	3	5	sw.	George S. Briggs.				
Clayton.....	Gloucester.....	126	19	57.9	+ 2.8	83	12	34	17	34	2.78	- 0.73	1.48	0	3	21	9	1	nw.	William T. Farley.				
Culvers Lake.....	Sussex.....	848	11	57.2	+ 2.8	84	12	35	17	34	3.68	+ 0.03	2.94	0	7	21	9	1	nw.	Brice E. Riker.				
Dover.....	Morris.....	600	28	53.2	+ 2.5	79	7	30	17	40	5.22	+ 1.22	0.63	0	4	15	10	5	n.	William C. Harris.				
Elizabeth.....	Union.....	45	33	56.6	+ 1.9	84	12	33	16†	43	3.19	- 0.63	1.93	0	5	18	10	3	nw.	L. B. Bonnett.				
Flemington.....	Hunterdon.....	140	24	57.0	+ 2.9	84	12	32	17	40	2.97	- 0.48	1.73	0	5	19	6	6	sw.	Hiram E. Deats.				
Haddonfield.....	Camden.....	75	25	57.5	+ 3.8	84	12	37	17†	38	3.07	- 0.07	1.41	0	5	18	8	5	nw.	Charles F. Richardson.				
Hammonton.....	Atlantic.....	103	14	57.7 <sup>b</sup>	+ 4.0	85	12	34 <sup>a</sup>	16	35	3.25	- 0.23	1.80	0	4	15	5	5	se.	Orville Bassett.				
Hightstown.....	Mercer.....	119	20	57.7 <sup>b</sup>	+ 4.0	85	12	34 <sup>a</sup>	16	35	1.86	- 0.27	0.92	0	3	11	15	5	sw.	Frank V. Jeanson.				
Highwood.....	Bergen.....	90	25	55.6	+ 2.9	82	6	16†	42	4.26	- 0.27	3.40	0	5	14	6	11	nw.	Charles J. Bates.					
Imlaystown.....	Monmouth.....	107	24	57.8	+ 2.9	87	12	33	31	44	1.94	- 2.13	1.46	0	4	18	7	6	nw.	Dr. Fred C. Price.				
Indian Mills.....	Burlington.....	76	23	57.5	+ 3.1	87	12	30	17†	45	2.89	- 0.69	1.92	0	4	19	7	5	nw.	James Armstrong.				
Jersey City.....	Hudson.....	10	14	58.9	+ 3.3	82	7	40	16	32	5.45	+ 1.73	4.62	0	5	17	6	8	nw.	Samuel K. Pearson, jr.				
Lakewood.....	Ocean.....	54	10	57.0	.....	88	12	36	21	36	2.47	.....	1.41	0	4	20	6	6	nw.	Ralph Robertson.				
Lambertville.....	Hunterdon.....	95	25	57.0	+ 3.4	84	11	34	16	36	2.91	- 0.96	2.00	0	4	21	5	5	sw.	William R. Bowe.				
Layton.....	Sussex.....	550	13	53.2	+ 3.6	81	7	25	17	43	3.37	+ 0.04	2.45	0	6	25	4	2	sw.	Warren C. Hursh.				
Long Branch.....	Monmouth.....	30	56	57.7	+ 3.8	84	7	35	17	44	6.95	.....	3.12	0	5	16	8	7	nw.	Wm. D. Martin, jr.				
Moorestown.....	Burlington.....	75	50	57.0 <sup>b</sup>	+ 2.8	82 <sup>b</sup>	12	36 <sup>b</sup>	16	32	3.39	- 0.25	2.15	0	4	20	7	4	sw.	George L. Gillingham.				
Newark.....	Essex.....	159	69	60.0	+ 5.6	83	7†	40	16	33	3.59	- 0.18	2.47	0	4	17	10	4	nw.	Prof. Wm. Wiener.				
New Brunswick.....	Middlesex.....	100	69	57.2	+ 2.6	85	12	33	17	42	3.03	- 0.50	1.88	0	4	13	12	6	sw.	George B. Thrasher.				
Newton.....	Sussex.....	678	33	54.7	+ 3.0	80	6	32	17	35	3.79	+ 0.08	2.86	0	5	18	3	10	nw.	F. Vernon Losee.				
Northfield.....	Atlantic.....	25	5	56.7	+ 3.8	84	7	35	17	44	6.95	.....	3.12	0	6	17	6	8	nw.	William L. Flick.				
Paterson.....	Passaic.....	80	41	58.2	+ 3.8	83	6†	35 <sup>a</sup>	16	36	1.5	- 1.00	2.14	0	5	11	16	4	sw.	Heber A. Probert.				
Phillipsburg.....	Warren.....	363	22	56.2	+ 3.3	83	12	33	17	41	0.19	- 0.19	1.63	0	6	17	17	5	n.	D. W. Smith.				
Plainfield.....	Union.....	100	26	56.4	+ 3.4	83	10†	32	17	42	3.63	- 0.02	2.04	0	6	17	17	5	ne.	John Neagle.				
Pleasantville.....	Atlantic.....	26	14	56.9	+ 3.5	84	12	29	17	42	3.19	- 0.43	1.37	0	5	21	7	3	nw.	Lincoln Van Gilder.				
Somerville.....	Somerset.....	66	29	56.9	+ 3.5	84	12	29	17	42	2.47	- 0.94	1.40	0	5	19	7	5	n.	A. A. Macdonald.				
South Orange.....	Essex.....	200	42	55.5	+ 2.6	78	12	34	16	42	2.47	- 1.08	1.75	0	4	18	7	6	n.	Dr. Wm. J. Chandler.				
Sussex.....	Trenton.....	442	22	55.2	+ 3.0	84	6	33 <sup>a</sup>	17†	42 <sup>a</sup>	2.85	- 0.50	1.96	0	7	19	4	8	sw.	George Dymock.				
Trenton.....	Mercer.....	63	41	58.6	+ 2.1	86	12	34	16	39	2.57	- 1.17	1.30	0	3	17	9	5	sw.	James L. Bennett.				
Tuckerton.....	Ocean.....	23	19	56.8	+ 2.0	82	12	30	17	36	1.88	- 1.79	1.13	0	5	18	8	5	sw.	Frank R. Austin.				
Vineland.....	Cumberland.....	118	43	58.2	+ 2.8	87	10†	33	17	38	2.33	- 1.13	1.36	0	4	20	7	4	sw.	Alfred Chalmers.				
Woodbine.....	Cape May.....	43	21	57.6a	+ 2.0	84	11	31b	17	34b	2.45	- 1.14	1.25	0	4	4	4	4	sw.	S. Arons.				
West Virginia.																								
Bayard.....	Grant.....	2,500	10	50.2	+ 1.5	79	11	20	27	42	1.42	- 1.84	0.63	T.	4	21	4	6	w.	Solomon Clark.				
Burlington.....	Mineral.....	875	17	55.7	+ 1.9	84	10	25	27	43	0.20	- 1.88	0.20	0	1	19	11	1	nw.	J. W. Vandiver.				
Franklin.....	Pendleton.....	5																						
Lost City.....	Hardy.....	5																						
Martinsburg.....	Berkeley.....	435	21	56.1	+ 1.8	87	10	32	17	43	0.70	- 1.78	0.35	0	2	21	8	2	nw.	B. D. Hinegardner.				
Moorefield.....	Hardy.....	900	15	58.5	+ 4.1	91	10	29	27	43	0.21	- 1.78	0.21	0	1	16	15	0	s.	G. W. Van Metre, C. E.				
Romney.....	Hampshire.....	824	16	58.0	+ 3.0	80	7†	35	17	46	0.50	- 1.73	0.30	0	2	9	16	6	w.	John C. Fisher.				
Upper Tract.....	Pendleton.....	1,230	14	55.4	+ 0.3	87	11	24	27	45	0.50	- 1.73	0.30	0	2	9	16	6	w.	J. M. Mallow.				
Maryland.																								
Annapolis.....	Anne Arundel.....	45	40	61.5	+ 4.0	80	7†	42	28	27	1.86	- 1.89	1.30	0	4	23	0	8	s.	U. S. Naval Academy.				
Baltimore.....	Baltimore.....	115	42	60.6	+ 3.1	85	10	42	27	38	0.72	- 2.30	0.52	0	4	18	8	5	sw.	U. S. Weather Bureau.				
Cambridge.....	Dorchester.....	25	14	60.8	+ 2.3	86	12	36	17	32	1.16	- 1.29	1.10	0	5	23	4	4	nw.	T. E. Keenan.				
Cheltenham.....	Prince Georges.....	230	12	59.2	+ 3.1	86	10	34	16	35	1.13	- 2.17	0.43	0	4	23	4	4	nw.	George Hartnell.				
Chestertown.....	Kent.....	80	27	59.6	+ 3.8	84	10	37	27	38	0.63	- 0.36	1.80											

TABLE 1.—*Climatological data for October, 1912. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest,	Date.	Lowest,	Date.	Greatest daily range,	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmetted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
<b>Maryland—Continued.</b>																			
Towson.....	Baltimore.....	465	4	56.0	+ 0.5	81 <sup>b</sup>	11	31 <sup>b</sup>	17	34 <sup>b</sup>	1.11	- 0.22	0.87	0	6	23 <sup>a</sup>	2 <sup>a</sup>	5 <sup>a</sup>	C. W. E. Treadwell.
Van Bibber.....	Harford.....	100	15	56.0 <sup>c</sup>	+ 4.0	87	10	37	16 <sup>t</sup>	35	2.54	- 0.22	2.46	0	3	23	1	7	W. C. Josting.
Westernport.....	Allegany.....	1,000	18	53.0	+ 5.5	93	11	30	27	49	1.40	- 0.66	0.78	0	3	22	5	4	Prof. O. H. Bruce.
Westminster.....	Carroll.....	860	19	58.2 <sup>a</sup>	+ 5.5	85 <sup>a</sup>	11	34 <sup>a</sup>	1	35 <sup>a</sup>	1.04	- 2.66	0.55	0	6	22 <sup>a</sup>	3 <sup>a</sup>	5 <sup>a</sup>	Prof. G. F. Morelock.
Woodstock.....	Baltimore.....	392	38	58.8	+ 4.9	81	11	34	17	32	0.91	- 2.38	0.70	0	6	27	2	2	Rev. J. F. Dawson, S. J.
<b>Delaware.</b>																			
Delaware City.....	New Castle.....	10	10	59.2	.....	84	12	38	16 <sup>t</sup>	30	3.33	.....	2.61	0	2	23	2	6	H. Morton Price.
Dover.....	Kent.....	40	24	60.2	+ 4.0	87	10	37	16 <sup>t</sup>	35	1.83	- 1.34	1.00	0	3	23	1	7	W. C. Josting.
Milford.....	do.....	20	28	60.1	+ 1.4	84	12	35	17	31	1.37	- 2.07	0.65	0	4	22	5	4	Chas. J. Holzmueller.
Millsboro.....	Sussex.....	20	20	60.2	+ 3.5	96	12	33	17	42	1.52	- 2.19	0.60	0	4	22	4	5	Rev. L. W. Wells.
Seaford.....	do.....	40	21	59.0	+ 2.8	87	10	34	17	32	1.74	- 1.56	0.68	0	5	22	4	5	sw.
Wilmington.....	New Castle.....	86	1	61.0	.....	86	12	39	17	30	3.24	- 0.35	2.49	0	2	26	3	2	E. B. Brown.
<b>District of Columbia.</b>																			
Washington.....	Dist. of Columbia.....	112	42	59.3	+ 2.7	87	10	36	28	34	0.65	- 2.44	0.36	0	5	24	0	7	s.
<b>Virginia.</b>																			U. S. Weather Bureau.
Culpeper.....	Culpeper.....	450	4	56.8	.....	85	10	31	17 <sup>t</sup>	32	1.53	.....	0.49	0	4	17	10	4	s.
Dale Enterprise.....	Rockingham.....	1,350	33	57.3	+ 2.4	88	12	28	27	41	0.99	- 1.83	0.31	0	5	18	9	4	s.
Eastville.....	Northampton.....	15	2	62.0	+ 1.2	88	11	37	17	37	1.05	- 2.84	0.65	0	5	23	5	3	sw.
Fredericksburg.....	Spotsylvania.....	100	23	59.6	+ 2.4	86	10	34	17	37	1.36	- 2.21	0.48	0	8	21	4	6	ne.
Lincoln.....	Loudoun.....	500	11	56.7	+ 0.6	86	11	30	17	37	0.98	- 2.04	0.37	0	4	20	10	1	nw.
Mount Weather.....	do.....	1,726	8	55.2	+ 3.7	81	10	35	16	28	1.03	- 1.39	0.46	0	6	16	8	7	nw.
Onancock.....	Accomac.....	20	1	61.4	.....	83	10	34	28	40	1.33	.....	0.86	0	2	26	1	4	nw.
Quantico.....	Prince William.....	16	15	56.8	+ 1.1	81	12	32	25 <sup>t</sup>	33	0.47	.....	0.37	0	3	26	1	4	ne.
Staunton.....	Augusta.....	1,380	20	58.2	.....	88	10	31	27	40	0.79	.....	0.43	0	6	14	13	4	sw.
Warsaw.....	Richmond.....	160	20	62.0	+ 4.6	87	11	35	17	33	0.60	- 2.71	0.45	0	4	21	8	2	n.
Winchester.....	Frederick.....	717	1	58.4	.....	87	10	35	28	34	0.67	.....	0.35	0	3	21	4	6	w.
Woodstock.....	Shenandoah.....	927	16	59.1	+ 3.3	93	10	30	26	43	0.44	- 2.28	0.29	0	4	18	10	3	w.

\*, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

\*\* Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for October, 1912. District No. 1, North Atlantic States.*

TABLE 2.—*Daily precipitation for October, 1912. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for October, 1912. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for October, 1912. District No. 1—Continued.*

\* Precipitation included in that of the next measurement.

Separate dates of falls not recorded.

**T** Precipitation for the 24 hours ending on the morning when it is measured.  
**T.** Precipitation is less than 0.01 inch rain or melted snow.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures for October, 1912. District No. 1, North Atlantic States.

Date.	Maine.										Concord, N. H.	Massachusetts.								Provi- dence, R. I.	Connecticut.								
	Eastport.		Greenville.		Orono.		Portland.		Presque Isle.			Amherst.		Boston.		Middle- boro.		Nan- tucket.			Cream Hill.		Hartford.						
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.					
1....	49	36	43	30	65	31	55	39	.....	.....	52	36	54	35	58	41	62	45	61	30	63	47	61	42	55	36	60	42	
2....	45	37	43	36	52	38	54	39	.....	.....	48	38	54	38	58	36	57	40	55	34	55	44	56	37	56	30	57	37	
3....	52	39	55	33	60	32	72	42	.....	.....	66	38	71	32	72	35	72	48	68	31	65	49	70	45	65	36	70	45	
4....	59	52	64	40	70	44	75	51	.....	.....	68	46	73	52	74	52	52	57	60	75	57	69	59	76	59	70	48	77	58
5....	72	50	68	48	72	40	77	50	.....	.....	73	42	78	42	81	43	78	57	78	38	70	55	78	52	76	54	78	51	
6....	77	53	78	46	78	37	75	52	.....	.....	76	40	82	39	83	41	82	55	79	36	74	55	78	47	80	50	81	45	
7....	67	52	76	41	80	38	73	53	.....	.....	78	40	81	39	82	42	86	56	80	34	70	55	81	46	78	51	80	47	
8....	53	41	50	33	53	40	54	12	.....	.....	50	34	54	32	63	36	60	47	67	33	59	44	60	42	54	38	61	43	
9....	56	40	57	30	71	28	57	38	.....	.....	59	29	60	30	61	33	65	46	62	27	60	44	59	38	58	40	62	38	
10....	59	46	55	43	66	48	60	50	.....	.....	60	44	64	46	71	53	69	57	73	50	70	52	73	55	68	41	72	56	
11....	46	40	39	29	63	34	51	43	.....	.....	44	42	52	46	55	50	58	54	59	47	60	53	59	52	64	56	56	52	
12....	60	43	50	35	63	33	59	43	.....	.....	50	42	62	49	69	54	73	53	69	60	72	54	71	54	72	55	60	41	
13....	60	50	55	43	60	48	61	49	.....	.....	56	42	63	49	64	48	68	55	66	54	67	54	60	41	66	52	60	41	
14....	57	47	54	40	59	42	62	45	.....	.....	58	38	62	41	62	42	61	51	60	44	58	51	58	49	61	39	59	48	
15....	55	37	52	33	59	35	62	40	.....	.....	56	35	60	38	64	42	66	34	64	45	63	40	61	38	64	42	60	38	
16....	40	32	40	28	58	29	52	37	.....	.....	46	33	52	33	58	26	57	36	56	29	54	40	56	33	53	28	56	36	
17....	55	35	63	28	62	27	69	35	.....	.....	65	29	70	26	73	28	73	42	70	22	64	46	70	38	62	35	70	37	
18....	58	47	71	38	70	31	66	45	.....	.....	68	38	73	34	74	37	75	50	71	41	66	56	73	52	70	40	73	47	
19....	57	50	55	38	70	34	59	49	.....	.....	54	36	64	41	74	48	71	54	70	42	69	58	70	51	62	54	68	53	
20....	56	42	54	41	68	44	58	42	.....	.....	52	38	58	35	63	35	64	40	60	48	62	43	56	38	62	44	62	44	
21....	48	39	55	29	56	27	54	36	.....	.....	56	30	60	29	65	28	56	44	63	26	59	45	61	39	61	40	65	35	
22....	53	43	59	34	59	30	57	38	.....	.....	59	34	65	38	66	36	59	48	69	29	62	45	66	41	59	41	68	42	
23....	56	47	54	39	64	37	57	50	.....	.....	56	45	64	45	66	53	71	55	75	45	68	63	60	48	70	57	60	49	
24....	55	53	59	53	67	54	57	53	.....	.....	60	55	64	56	68	53	67	55	67	57	68	54	65	54	61	52	68	52	
25....	54	48	57	46	62	50	54	51	.....	.....	57	50	54	50	54	50	59	52	59	48	59	51	58	50	58	47	55	50	
Mns..	54.5	43.2	54.7	37.0	62.6	37.0	60.5	43.9	.....	.....	57.3	38.7	62.6	39.2	65.7	40.9	65.9	49.0	66.8	38.4	62.9	50.1	65.4	45.8	62.2	42.0	65.7	45.9	
Date.	New Haven, Conn.		New York.										Pennsylvania.								Atlantic City, N. J.								
	Addison.		Albany.		Binghamton.		Indian Lake.		Little Falls.		New York.		Everett.		Harris- burg.		Philadel- phia.		Scranton.		State College.		Wells- boro.						
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.					
1....	62	44	59	46	55	42	54	41	49	35	50	38	62	46	.....	.....	62	44	66	47	57	45	59	35	58	39	66	50	
2....	58	39	68	32	58	37	61	34	48	17	55	28	60	43	.....	.....	64	48	63	48	62	40	62	39	68	32	59	46	
3....	70	48	72	35	70	46	68	41	67	31	69	40	69	49	.....	.....	71	46	72	49	71	40	69	39	72	33	68	57	
4....	76	58	77	51	75	52	71	49	65	50	68	55	76	57	.....	.....	79	57	79	58	75	40	75	50	71	64	71		
5....	77	50	81	42	75	46	72	45	75	30	72	45	76	63	.....	.....	76	55	77	63	75	46	81	39	70	59			
6....	77	49	86	41	78	45	79	40	70	33	78	43	77	47	.....	.....	78	52	79	57	78	45	81	41	83	38	70	55	
7....	79	47	75	42	75	52	74	43	73	35	72	50	79	53	.....	.....	79	50	81	56	77	46	77	39	80	55	60		
8....	64	38	44	35	56	29	50	37	46	38	52	33	60	34	58	41	60	30	60	48	61	42	58	44	60	44	60	49	
9....	67	41	65	40	60	41	62	42	55	25	56	38	63	51	51	49	65	49	68	55	65	47	66	41	67	53	61		
10....	73	56	66	45	66	53	61	56	59	42	54	38	65	48	78	56	81	57	82	59	65	55	75	53	75	61	76		
11....	62	57	83	52	64	51	79	56	55	43	57	47	69	61	61	47	75	62	74	62	77	59	55	81	53	72	64		
12....	70	57	73	54	76	58	79	54	75	50	76	54	76	62	62	50	82	60	85	61	80	57	77	55	71	65			
13....	67	58	63	38	60	49	58	45	69	38	63	44	69	54	54	49	64	54	72	59	60	48	65	40	68	59	71		
14....	60	50	68	35	65	44	63	42	55	25	56	38	62	52	52	40	62	50	60	50	62	46	65	33	59	51			
15....	66	44	51	32	59	40	55	38	54	33	54	38	66	46	66	44	65	44	68	47	59	41	60	44	59	35	68		
16....	58	37	52	26	55	35	54	32	49	25	49	27	61	40	40	40	59	42	59	43	66	36	61	32	63	25	60	37	
17....	68	41	52	25	56	34	66	30	65	28	65	33	65	44	44	39	66	44	67	33	62	35	67	25	62	47	60	37	
18....	70	48	73	31	71	44	71	38	69	22	71	39	69	50	50	44	72	44	74	52	74	39	73	30	67	57			
19....	68	54	70	56	68	48	68	46	63																				

TABLE 3.—*Maximum and minimum temperatures for October, 1912. District No. 1—Continued.*

Date.	New Jersey.								Martins- burg, W. Va. §§	Maryland.								Millsboro, Del.	Washing- ton, D. C.	Virginia.									
	Bridgeton.		Phillips- burg.		Sussex.		Trenton.			Baltimore.		Darling- ton.		Frederick.		Western Port.					Fredericks- burg.		Staun- ton §§		Wood- stock.				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			Max.	Min.	Max.	Min.	Max.	Min.				
1....	68	40	63	37	61	41	67	38	65	40	66	39	66	40	68	35	70	37	66	44	66	39	67	38	69	37			
2....	66	41	65	41	65	35	67	40	67	40	62	42	68	41	75	38	69	41	66	43	67	41	70	38	74	38			
3....	75	43	73	39	71	41	74	42	73	41	74	50	69	44	75	41	84	41	76	45	74	48	74	52	79	41			
4....	80	55	79	51	78	52	82	53	80	41	78	57	77	50	82	51	87	48	82	59	81	54	78	54	80	50			
5....	78	54	78	50	80	45	81	52	77	52	77	60	75	53	78	52	83	50	76	51	78	55	76	54	79	49			
6....	80	49	82	46	84	42	85	47	77	47	80	56	78	49	80	46	87	57	75	53	79	53	76	56	79	46			
7....	83	46	80	44	81	43	81	43	82	47	83	55	80	46	83	44	83	46	87	55	83	50	81	45	86	46			
8....	68	44	64	43	65	42	74	42	62	44	63	51	75	45	71	43	65	39	75	43	64	46	73	49	64	42			
9....	70	45	69	47	65	41	73	45	71	44	67	54	65	46	70	45	76	46	70	47	72	40	77	43	80	45			
10....	84	55	81	54	76	53	85	56	87	51	85	60	80	54	87	54	88	52	91	53	87	55	86	53	88	54			
11....	83	61	71	57	74	.....	78	60	85	54	81	65	80	60	86	59	93	54	89	60	86	61	85	59	87	56			
12....	85	60	83	62	76	62	86	61	84	58	84	65	80	58	85	62	86	58	96	62	83	65	84	62	87	61			
13....	70	58	67	51	73	48	74	56	64	50	73	58	74	52	72	50	68	46	69	55	72	56	76	53	58	49			
14....	61	51	62	49	61	45	60	51	62	52	59	50	59	50	60	52	73	48	55	50	55	52	52	50	60	47			
15....	71	45	66	43	64	41	70	41	68	38	70	47	67	41	69	39	75	40	72	45	70	41	71	43	74	40			
16....	60	35	62	38	59	37	64	34	61	35	63	44	60	35	63	34	70	32	64	37	64	40	64	41	60	35			
17....	69	36	68	33	65	33	70	35	66	32	69	44	63	35	70	33	71	31	72	33	67	37	68	34	70	35			
18....	74	45	75	41	74	33	78	39	73	35	71	50	70	41	75	42	76	41	79	48	74	46	76	46	77	51			
19....	72	57	68	51	65	51	70	55	74	45	75	58	73	58	74	58	74	45	75	60	76	59	76	60	80	61			
20....	66	40	65	41	68	42	69	41	61	43	64	49	70	42	65	44	67	35	63	38	62	42	69	47	64	39			
21....	70	38	66	37	66	33	70	37	64	38	68	44	64	35	67	36	73	36	68	40	67	39	66	39	65	38			
22....	78	52	68	51	69	44	76	51	65	42	72	57	71	52	66	53	61	51	72	50	73	56	75	57	63	54			
23....	72	62	66	52	66	56	69	61	63	54	72	50	70	49	68	49	59	44	75	58	69	49	71	53	62	49			
24....	62	45	53	42	56	46	63	45	62	46	54	47	52	42	53	45	51	41	73	45	54	46	60	45	58	39			
25....	60	45	54	43	53	44	53	42	56	45	58	48	63	44	56	45	52	42	58	45	57	46	61	46	66	43			
26....	61	47	57	47	56	46	63	42	62	40	60	44	63	47	62	42	65	45	64	43	67	40	68	38	67	37			
27....	63	36	64	37	62	37	67	38	62	35	65	42	61	40	63	36	76	30	64	38	65	38	63	38	62	37			
28....	68	37	64	36	65	35	69	38	66	33	69	44	66	36	67	32	80	32	69	35	70	36	71	34	72	32			
29....	70	39	63	40	62	36	69	41	71	34	68	47	68	40	73	38	83	34	77	35	75	42	78	41	77	39			
30....	76	48	71	40	72	41	74	45	73	40	76	52	73	47	74	44	77	43	78	49	78	50	79	47	75	58			
31....	61	37	58	38	60	39	63	37	60	40	57	46	67	37	65	37	62	38	74	44	61	45	68	47	66	44			
Mns..	71.1	46.6	67.9	44.5	67.5	42.8a	71.7	45.4	69.1	43.1	69.8	51.4	68.9	45.4	70.8	44.9	73.7	42.4	73.7	46.8	70.8	47.8	72.0	47.1	70.7	45.8			

\*, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.